

Title (en)
DOSE DELIVERY DEVICE WITH GEARING MECHANISM

Title (de)
DOSISABGABEVORRICHTUNG MIT GETRIEBEMECHANISMUS

Title (fr)
DISPOSITIF DE DISTRIBUTION DE DOSE ÉQUIPÉ D'UN MÉCANISME D'ENGRENAGE

Publication
EP 2211950 A1 20100804 (EN)

Application
EP 08801369 A 20080925

Priority
• DK 2008000334 W 20080925
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Abstract (en)
[origin: WO2009039851A1] A dose delivery device is disclosed wherein a dose can be set rotating a dose setting member (3), whereby a push button (3) is elevated from one end of the device a distance proportional to the set dose from a position fixed relative to the housing, and wherein the set dose can then be injected by pressing the push button back to its non-elevated position, through which motion a piston rod (7) will move the same or a different distance due to a gearing mechanism being provided between the push button and the piston rod. The gearing mechanism comprises at least a first and a second thread on one or more parts that are rotationally coupled to each other, the first thread engaging a driver, the second thread engaging an element rotationally locked to the driver, one of the threads of the gearing mechanism being left-handed and other one being right-handed.

IPC 8 full level
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A61M 5/31551 (2013.01 - EP US); **A61M 5/31558** (2013.01 - EP US); **A61M 5/31585** (2013.01 - EP US); **A61M 5/24** (2013.01 - EP US); **A61M 5/31535** (2013.01 - EP US); **A61M 5/31541** (2013.01 - EP US); **A61M 5/31543** (2013.01 - EP US); **A61M 5/3157** (2013.01 - EP US); **A61M 5/31575** (2013.01 - EP US); **A61M 5/31593** (2013.01 - EP US); **A61M 2005/2407** (2013.01 - EP US); **A61M 2005/2488** (2013.01 - EP US); **A61M 2005/3152** (2013.01 - EP US)

Citation (search report)
See references of WO 2009039851A1

Cited by
US11577029B2; US9421334B2; US9937294B2; US10661021B2; US10821235B2; US11696986B2

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